

### **OWNERS MANUAL**

for Model 2225CWH



Read Owner's Manual. Do not operate equipment until you A WARNING have read Owners Manual for Safety, Assembly, Operation, Maintenance and Storage Instructions.

- This product is not equipped with a spark arresting muffler. If the product will be used around flammable materials, or on land covered with materials such as agricultural crops, forest, brush, grass, or other similar items, then an approved spark arrester must be installed and is legally required in the state of California. It is a violation of California statutes section 130050 and/or sections 4442 and 4443 of the California Public Resources Code, unless the engine is equipped with a spark arrestor, as defined in section 4442, and maintained in effective working order. Spark arresters are also required on some U.S. Forest service land and may also be legally required under other statutes and ordinances.
- This product may contain chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm. This warning is given in compliance with California Proposition 65, as detectable amounts of chemicals subject to proposition 65 may be contained in this product.

### **A** CAUTION ENGINE OIL MUST BE ADDED TO THE ENGINE BEFORE USE.

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## **OWNER'S RESPONSIBILITIES**

Congratulations! You have purchased a high quality product from America's leading manufacturer of pressure washers. This pressure washer, when properly used and maintained, will provide trouble free service. Please read and follow these instructions for proper use and maintenance.

- Read and understand all safety warnings.
- Read this Owner's Manual. Save these instructions. Owner's manual should remain with unit at all times.
- Do not operate this unit until you have read this Owners Manual for Safety, Operation, and Maintenance Instructions.
- Read the Engine Owner's Manual supplied with this unit.

- Do not operate this unit until you have read the Engine Owners Manual for Safety, Operation, and Maintenance Instructions.
- Check for visible shipping damage. Shipping damage will cause problems in operation of this unit.
- If you experience any problems and need assistance, please call us at our toll free number
   1-800-888-2468, Ext 2, 2. 8:00 a.m. to 8:00 p.m. E.S.T.
- If you need warranty repair or service part purchase, you can locate an Authorized Warranty Service Center nearest you by calling us at 1-800-888-2468, Ext 2, 1 24 hours a day, 7 days a week.

**NOTE:** Photos and illustrations in this manual are for reference only and may not represent a specific model.

## PRESSURE WASHER RETURN POLICY

- → Within 15 days of your purchase, Sam's will gladly exchange your pressure washer or refund your money. Sales receipt is required.
- → After 15 days manufacturer's warranty applies.
- → Refer to this Owners Manual for manufacturer's warranty.
- → If you need warranty repair or service part purchase, you can locate an Authorized Warranty Service Center nearest you by calling us at 1-800-888-2468, Ext 2, 1 24 hours a day, 7 days a week.

## **SAFETY GUIDELINES - DEFINITIONS**

This manual contains information that is important for you to know and understand. This information relates to protecting **YOUR SAFETY** and **PREVENTING EQUIPMENT PROBLEMS**. To help you recognize this information, we use the symbols below. Please read the manual and pay attention to these sections.

<b>DANGER</b>	<b>CAUTION</b>
DANGER indicates an imminently hazardous situation	CAUTION indicates a potentially hazardous situation which, if
which, if not avoided, <u>will</u> result in <u>death or serious injury</u> .	not avoided, <u>may</u> result in <u>minor or moderate injury</u> .
<b>WARNING</b> WARNING indicates a potentially hazardous situation which, if not avoided, <u>could</u> result in <u>death or serious</u> injury.	<b>CAUTION</b> CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, <u>may</u> result in <u>property damage</u> .

## WARRANTY

#### LIMITED WARRANTY ONE YEAR FROM DATE OF PURCHASE

All merchandise manufactured by DeVilbiss Air Power Company Manufacturing is warranted to be free of defects in workmanship and material which occur during the first year from the date of purchase by the original purchaser (initial user). Products covered under this warranty include: air compressors, \*air tools, accessories, service parts, pressure washers, and generators used in consumer applications (i.e., personal residential household usage only).

Air compressors, \*air tools, accessories, service parts, pressure washers, and generators used in commercial applications (income producing) are covered by a 90 day warranty.

DeVilbiss Air Power Manufacturing will repair or replace, at DeVilbiss' option, products or components which have failed within the warranty period. Repair or replacement, and service calls on 60 and 80 gallon air compressors, will be handled by Authorized Warranty Service Centers and will be scheduled and serviced according to the normal work flow and business hours at the service center location, and depending on the availability of replacement parts.

All decisions of DeVilbiss Air Power Company Manufacturing with regard to this policy shall be final.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

#### **RESPONSIBILITY OF ORIGINAL PURCHASER (Initial User):**

- Retain original cash register sales receipt as proof of purchase for warranty work.
- Use reasonable care in the operation and maintenance of the product as described in the Owners Manual(s).
- Deliver or ship the product to the nearest DeVilbiss Air Power Manufacturing Authorized Warranty Service Center. Freight costs, if any, must be paid by the purchaser.
- Air compressors with 60 and 80 gallon tanks only will be inspected at the site of installation. Contact the nearest Authorized Warranty Service Center, that provides on-site service calls, for service call arrangement.
- □ If the purchaser does not receive satisfactory results from the Authorized Warranty Service Center, the purchaser should contact DeVilbiss Air Power Company Manufacturing.

#### THIS WARRANTY DOES NOT COVER:

- Merchandise sold as reconditioned, floor models and/or display models. Any damaged or incomplete equipment sold "as is".
- □ Merchandise used as "rental" equipment.
- Merchandise that has become inoperative because of ordinary wear, misuse, freeze damage, use of improper chemicals, negligence, accident, improper and/or unauthorized repair or alterations including failure to operate the product in accordance with the instructions provided in the Owners Manual (s) supplied with the product. \*Air Tools: O-Rings and driver blades are considered ordinary wear parts, therefore, they are warranted for a period of 45 days from the date of purchase.
- An air compressor that pumps air more than 50% during a one hour period is considered misuse because the air compressor is undersized for the required air demand. Maximum compressor pumping time per hour is 30 minutes.
- Merchandise sold by DeVilbiss Air Power Manufacturing which has been manufactured by and identified as the product of another company. The product manufacturer's warranty will apply.
- Repair and transportation costs of merchandise determined not to be defective.
- Cost associated with assembly, required oil, adjustments or other installation and start-up cost.
- ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE OR MALFUNCTION OF THE PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
- IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.



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## **IMPORTANT SAFETY INSTRUCTIONS**

### **A**WARNING

IMPROPER OPERATION OR MAINTENANCE OF THIS PRODUCT COULD RESULT IN SERIOUS INJURY AND PROPERTY DAMAGE. READ AND UNDERSTAND ALL WARNINGS AND OPERATING INSTRUCTIONS BEFORE USING.

HAZARD	WHAT CAN HAPPEN	HOW TO PREVENT IT
DANGER RISK OF EXPLOSION OR FIRE	• Spilled gasoline and it's vapors can become ignited from cigarette sparks, electrical arcing, exhaust gases, and hot engine components such as the muffler.	<ul> <li>Shut off engine and allow it to cool before adding fuel to the tank.</li> <li>Use care in filling tank to avoid spilling fuel. Move pressure washer away from fueling</li> </ul>
	<ul><li>Heat will expand fuel in the tank which could result in spillage and possible fire explosion.</li><li>Operating the pressure washer in an</li></ul>	<ul><li>area before starting engine.</li><li>Keep maximum fuel level ½" below top of tank to allow for expansion.</li></ul>
	explosive environment could result in a fire.	• Operate and fuel equipment in well ventilated areas free from obstructions. Equip areas with fire extinguishers suitable for gasoline fires.
	<ul> <li>Materials placed against or near the pressure washer can interfere with its proper</li> </ul>	• Never operate pressure washer in an area containing dry brush or weeds.
	ventilation features causing overheating and possible ignition of the materials.	<ul> <li>Always keep pressure washer a minimum of four feet away from surfaces (such as houses, automobiles, or live plants) that</li> </ul>
	<ul> <li>Muffler exhaust heat can damage painted surfaces, melt any material sensitive to heat (such as siding, plastic, rubber, or vinyl), and damage live plants.</li> </ul>	could be damaged from muffler exhaust heat.
	• Improperly stored fuel could lead to accidental ignition. Fuel improperly secured could get into the hands of children or other unqualified persons.	• Store fuel in an OSHA approved container, in a secure location away from work area.
	• Use of acids, toxic or corrosive chemicals, poisons, insecticides, or any kind of flammable solvent with this product could result in serious injury or death.	Do not spray flammable liquids
DANGER RISK TO BREATHING	Breathing exhaust fumes will cause serious injury or death.	<ul> <li>Operate pressure washer in a well ventilated area. Avoid enclosed areas such as garages, basements ,etc.</li> </ul>
		Never operate unit in a location occupied by humans or animals.
	<ul> <li>Some cleaning fluids contain substances which could cause injury to skin, eyes, or lungs.</li> </ul>	• Use only cleaning fluids specifically recommended for high pressure washers. Follow manufacturers recommendations.
	Unsafe operation of your pressure washer could lead to serious injury or death to you	Become familiar with the operation and controls of the pressure washer.
RISK OF UNSAFE	or others.	• Keep operating area clear of all persons, pets, and obstacles.
		• Do not operate the product when fatigued or under the influenceof alcohol or drugs. Stay alert at all times.
		• Never defeat the safety features of this product.
		• Do not operate machine with missing, broken, or unauthorized parts.
		• Never leave wand unattended while unit is running.
	• The spray gun/wand is a powerful cleaning tool that could look like a toy to a child.	• Keep children away from the pressure washer at all times.
	• Reactive force of spray will cause gun/wand to move, and could cause the operator to slip or fall, or misdirect the spray. Improper control of gun/wand can result in injuries to self and others.	• Do not overreach or stand on an unstable support. Grip gun/wand firmly with both hands. Expect the gun to kick when triggered.
	1	

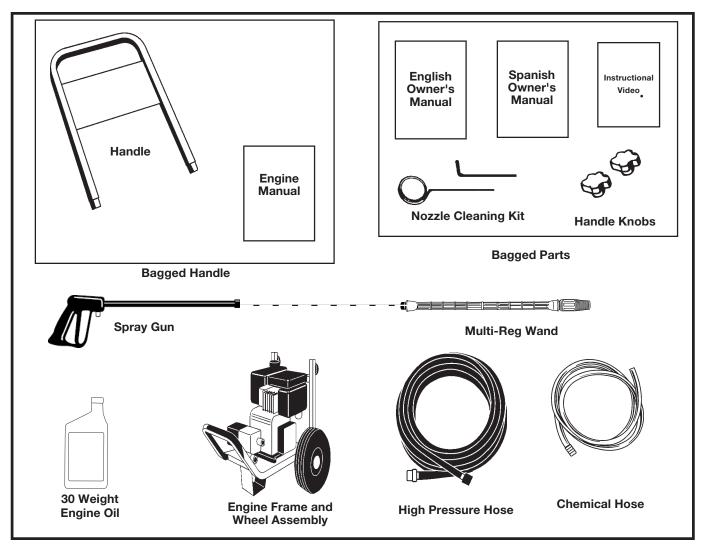
IMI	PORTANT SAFETY INS	TRUCTIONS
HAZARD	WHAT CAN HAPPEN	HOW TO PREVENT IT
RISK OF ELECTRICAL SHOCK	• Spray directed at electrical outlets or switches, or objects connected to an electrical circuit, could result in a fatal electrical shock.	<ul> <li>Unplug any electrically operated product before attempting to clean it. Direct spray away from electric outlets and switches.</li> </ul>
WARNING RISK TO FLUID INJECTION	<ul> <li>Your washer operates at fluid pressures and velocities high enough to penetrate human and animal flesh, which could result in amputation or other serious injury. Leaks caused by loose fittings or worn or damaged hoses can result in injection injuries. DO NOT TREAT FLUID INJECTION AS A SIMPLE CUT! See a physician immediately!</li> <li>Relieve system pressure before attempt- ing maintenance or disassembly of equipment.</li> </ul>	<ul> <li>Never place hands in front of nozzle.</li> <li>Direct spray away from self and others.</li> <li>Make sure hose and fittings are tightened and in good condition. Never hold onto the hose or fittings during operation.</li> <li>Do not allow hose to contact muffler.</li> <li>Never attach or remove wand or hose fittings while system is pressurized.</li> <li>Use only hose and high pressure accessories rated for pressure higher than your pressure washer's p.s.i.</li> <li>To relieve system pressure, shut off engine, turn off water supply, and pull gun trigger until water stops flowing.</li> </ul>
WARNING RISK OF CHEMICAL BURN	<ul> <li>Use of acids, toxic or corrosive chemi- cals, poisons, insecticides, or any kind of flammable solvent with this product could result in serious injury or death.</li> </ul>	<ul> <li>Do not use acids, gasoline, kerosene, or any other flammable materials in this product. Use only household detergents, cleaners and degreasers recommended for use in pressure washers.</li> <li>Wear protective clothing to protect eyes and skin from contact with sprayed materials.</li> </ul>
WARNING RISK OF HOT SURFACES	<ul> <li>Contact with hot surfaces, such as engines exhaust components, could result in serious burn.</li> </ul>	• During operation, touch only the control surfaces of the pressure washer. Keep children away from the pressure washer at all times. They may not be able to recognize the hazards of this product.
DANGER RISK OF INJURY AND PROPERTY DAMAGE WHEN TRANSPORTING OR STORING	• Fuel or oil can leak or spill and could result in fire or breathing hazard, serious injury or death can result. Fuel or oil leaks will damage carpet, paint or other surfaces in vehicles or trailers.	<ul> <li>If pressure washer is equipped with a fuel shut-off valve, turn the valve to the off position before transporting to avoid fuel leaks. If pressure washer is not equipped with a fuel shut-off valve, drain the fuel from tank before transporting. Only transport fuel in an OSHA approved container. Always place pressure washer on a protective mat when transporting to protect against damage to vehicle from leaks. Remove pressure washer from vehicle immediately upon arrival at your destination.</li> </ul>

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The powerful spray from your pressure washer is capable of causing damage to surfaces such as wood, glass, automobile paint, auto striping and trim, and delicate objects such as flowers and shrubs. Before spraying, check the item to be cleaned to assure yourself that it is strong enough to resist damage from the force of the spray. Avoid the use of the concentrated spray stream except for very strong surfaces like concrete and steel.

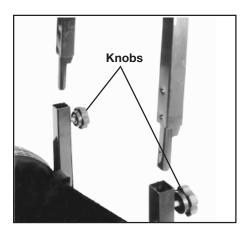
Operating unit with water supply shutoff without flow of water will result in equipment damage. Operating the pressure washer with water supply shutoff will void your warranty. You should never run this pressure washer for more than 2 minutes without pulling the trigger to allow cool water to enter the pump and the heated (recirculated) water to exit.

## **CONTENTS OF CARTON**



## UNPACKING

- 1. Open carton.
- 2. Remove plastic bag containing handle and engine manual supplied by engine manufacturer.
- 3. Remove cardboard from top of unit and inner cardboard from around unit.
- 4. Remove plastic bag containing two knobs, nozzle cleaning kit, instructional video, English Owner's Manual, and Spanish Owner's Manual from carton.
- 5. Remove spray gun, multi-reg wand, and bottle of engine oil from carton.
- Using box cutting tool, cut the four corners of the shipping carton from top to bottom, then lay panels flat. **NOTE:** Be careful not to cut into chemical hose and high pressure hose.
- 7. Insert handle ends into pressure washer frame as shown.
- 8. Install two knobs as shown in and tighten securely.



- 9. Grasp handle and roll unit off of carton.
- Remove high pressure hose from carton and store in gun/hose holder as shown in Pressure Washer Basics section in this manual.

### ASSEMBLY

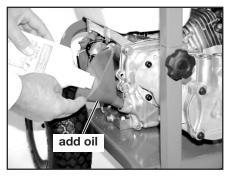
1. Connect threaded end of multi-reg wand to spray gun as shown. Tighten securely.



- 2. Place assembled spray gun, multi-reg wand, and chemical hose in gun/hose holder, with multi-reg wand facing down.
- Add 30 weight engine oil (supplied) to engine. Refer to engine manual supplied by engine manufacturer for procedure. Do not overfill. Use of a funnel is recommended.

#### NOTE

There will be a slight amount of oil in the engine from factory testing.



#### NOTE

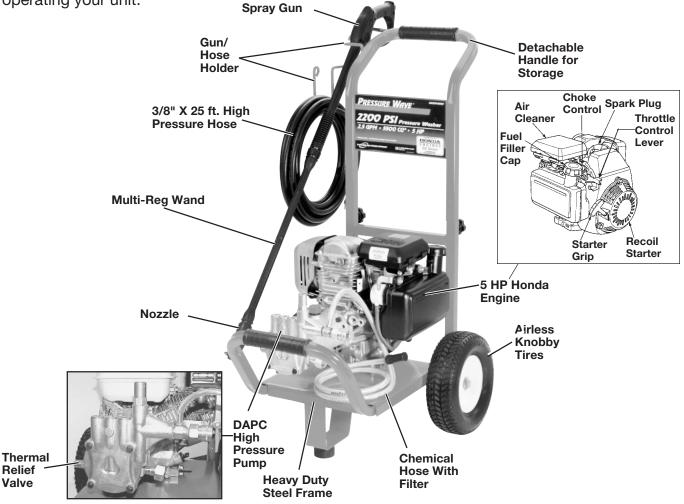
The engine on this pressure washer is equipped with a low oil sensor. The amount of oil in the engine must be correct or the engine will not start.

#### NOTE

The DAPC pump on your pressure washer is filled with oil at the factory. There is no need to add oil at this time, see the Maintenance section of this manual to perform maintenance on this pump.

### **PRESSURE WASHER BASICS**

**NOTE:** Become familiar with the controls and features described on these pages before operating your unit.



## BASIC ELEMENTS OF A PRESSURE WASHER

**DAPC High Pressure Pump:** Increases the pressure of the water supply to 2200 psi @ 2.5 gpm.

5HP Honda Engine: Drives the high pressure pump.

**High Pressure Hose:** Carries the pressurized water from the pump to the gun and wand.

**Spray Gun:** Connects with multi-reg wand to control water flow rate, direction, pressure, and spray pattern.

**Multi-Reg Wand with nozzle:** Has a high and low pressure setting along with a 25° fan and narrow jet stream.

**Chemical Hose:** Allows cleaners or cleaning solvents to be mixed with the pressurized water stream. See **How To Siphon Chemicals/Cleaning Solvents** in **Operation** section of this manual.

**Thermal Relief Valve**: A safety device that protects the pump from overheating. When water inside the pump reaches a specified temperature, the thermal relief valve opens and discharges the heated water from the pump.

#### **BASIC ELEMENTS OF ENGINE**

**Choke Control:** Opens and closes the choke valve in carburetor.

Throttle Control Lever: Controls engine speed.

**Starter Grip:** Pulling starter grip operates recoil starter to crank engine.

#### PRESSURE WASHER TERMINOLOGY

**PSI:** Pounds per Square Inch. The unit of measure for water pressure. Also used for air pressure, hydraulic pressure, etc.

**GPM:** Gallons Per Minute. The unit of measure for the flow rate of water through the pressure washer.

CU: Cleaning Units. GPM multiplied by PSI.

**Bypass Mode:** In Bypass Mode, the pump is recirculating water because the trigger of the spray gun is not pulled.

**Chemical Injection:** Feeds cleaning agents into the pump to mix with the pressurized water and help in cleaning.

Water Supply: All pressure washers must have a source of water. The minimum requirements for a water supply are 20 PSI and 5 gallons per minute. NOTE: Any supply pressure or delivery rate less than this will not allow the pressure washer to operate at its full potential.

### OPERATING FEATURES OF YOUR PRESSURE WASHER

#### **BYPASS MODE**

During normal operation water supply is turned on, engine is running, spray gun trigger is depressed, and the cold water supply circulates inside the pressure washer pump allowing pump to maintain a safe operating temperature. When you release spray gun trigger and engine is still running, you are in bypass mode.

When unit is in bypass mode, water circulating inside the pump begins to heat up. If unit is left in bypass mode for more than two (2) minutes, the water temperature will rise to a dangerous level and damage internal components of the pump. If pressure washer is operated without an adequate water supply or operated for more than two (2) minutes without depressing the spray gun trigger, the pump will overheat and be seriously damaged. Any damage to pump due to these causes **will not be covered under warranty**.

#### THERMAL RELIEF VALVE

In an effort to prevent damage, pumps are equipped with a **thermal relief valve**. This valve will open when the temperature inside the pump rises too high. This valve will then release a gush of water in an effort to lower the temperature inside the pump. Immediately after this occurs, the valve will close.

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DO NOT allow your unit to operate in bypass mode for more than two minutes at any time. Overheating of pump will cause damage to pump.

#### PRESSURE ADJUSTMENT

The pressure output of the DAPC pump on your pressure washer is preset at the factory to achieve optimum pressure and cleaning. It is not adjustable. If you need to lower the pressure, there are two methods.

The first method is to back away from the surface being cleaned. The farther away you are, the less pressure is delivered to the surface being cleaned.

The second method is to reduce the speed of the gasoline engine (RPM). Slow the engine down and the water pressure will go down with it.



DO NOT attempt to increase pump pressure. A higher pressure setting than the factory set pressure will damage pump.

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RISK OF INJECTION OR INJURY TO PERSON. DO NOT DIRECT DISCHARGE STREAM TOWARD PERSONS.

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WHEN USING THE HIGH PRESSURE SET-TING, DO NOT ALLOW THE JET-LIKE SPRAY TO COME IN CONTACT WITH UNPROTECTED SKIN, EYES, OR WITH ANY PETS OR ANIMALS. SERIOUS INJURY CAN OCCUR.

#### HOW TO USE WAND

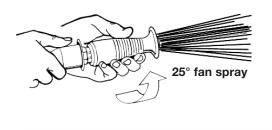
Your pressure washer is equipped with a multi-reg wand with both high and low pressure settings. The high pressure setting is for cleaning and rinsing, the low pressure setting is for applying chemicals or cleaning solutions to surfaces.

#### Multi-Reg (High Pressure Setting)



For high pressure operation, pull back the nozzle of the multi-reg wand as shown.

The nozzle at the end of the multi-reg wand can be rotated to change the high pressure spray pattern from a narrow jet to a  $25^{\circ}$  fan shape, as shown. Markings have been placed on the nozzle to help you select the spray pattern.





For low pressure operation, extend the nozzle of the multi-reg wand as shown.

#### Multi-Reg (Low Pressure Setting)



## HOW TO SIPHON CHEMICALS/CLEANING SOLVENTS

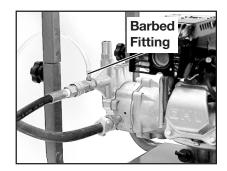
Siphoning chemicals or cleaning solvents is a low pressure operation.

#### NOTE

Use only soaps and chemicals designed for pressure washer use. Do not use bleach.

To siphon chemicals:

1. Press chemical hose onto barbed fitting located near high pressure hose connection of pump as shown.



- 2. Place other end of chemical hose with filter on it into container holding chemical/cleaning solution.
- 3. Set multi-reg nozzle to low pressure setting, see **How To Use Wand** paragraph in this section.
- 4. After use of chemical, siphon clean water through chemical hose to rinse it and pump clean. Chemicals which remain in pump can damage it. Damage to pump due to chemicals will not be covered under warranty.

#### NOTE

Chemicals and soap will not siphon when multi-reg nozzle is in the high pressure position.

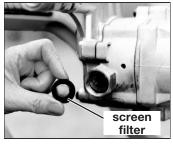
### **BEFORE STARTING**

- 1. Move pressure washer to level ground.
- 2. Check engine oil level. Refer to engine manufacturer's manual for procedure.

#### NOTE

The engine on this pressure washer is equipped with a low oil sensor. The amount of oil in the engine must be correct or the engine will not start.

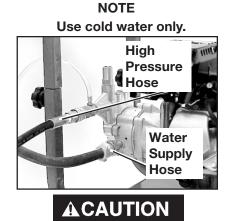
3. Verify that filter screen is in water inlet of pump, as shown.



4. Connect water supply hose to water inlet of pump as shown.

#### NOTE

The water supply must provide a minimum of 5 gallons per minute at 20 PSI.



Never pull water supply hose to move pressure washer. This could damage hose and/or pump inlet.

5. Attach threaded end of high pressure hose to spray gun as shown. Tighten securely with an adjustable wrench.



6. Attach other end of high pressure hose to quick connect fitting on pump as shown.



- 7. Make sure high pressure hose and water supply hose are securely connected to pump.
- 8. If you are applying a chemical or cleaning solution see **How To Siphon Chemicals/Cleaning Sol-vents** in this section.
- 9. Turn water supply on.



Never turn water supply off while pressure washer engine is running or damage to pump will result.

10. Add fresh, unleaded regular gasoline to engine fuel tank.





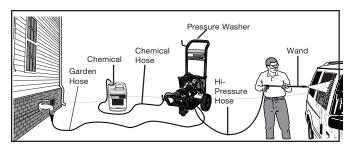
NEVER FILL FUEL TANK INDOORS. NEVER FILL FUEL TANK WHEN ENGINE IS RUNNING OR HOT. DO NOT SMOKE WHEN FILLING FUEL TANK.

### **A**WARNING

NEVER FILL FUEL TANK COMPLETELY. FILL TANK TO 1/2" BELOW BOTTOM OF FILLER NECK TO PROVIDE SPACE FOR FUEL EX-PANSION. WIPE ANY FUEL SPILLAGE FROM ENGINE AND EQUIPMENT BEFORE START-ING ENGINE.

#### **TYPICAL HOOK-UP**

Your pressure washer hookup should resemble this diagram.



#### PRE-START CHECKLIST

Once you reach this point, ensure you have completed the following:

- ✓ All safety instructions read and understood?
- ✓ All hose connections are tightened and free of any kinks, damage, or leaks?
- Correct amount of engine oil and gasoline added to engine?
- ✓ Water supply (garden hose) turned on?
- All operation instructions read and understood?

If you can say "yes" to the items in the Pre-start Checklist, you are ready to start your pressure washer.

### STARTING YOUR PRESSURE WASHER

NOTE: Make sure water supply is turned on.

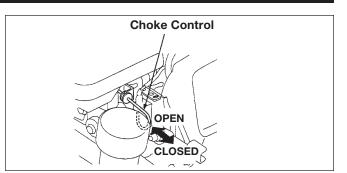
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Never turn water supply off while pressure washer engine is running or damage to pump will result.

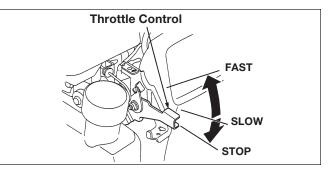
1. Pull choke control into CLOSED position.

#### NOTE

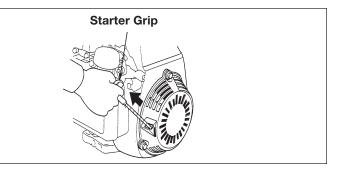
To restart a warm engine, push choke control into OPEN position. To restart a engine that has run out of fuel, pull choke control into CLOSED position after refueling.



2. Move throttle control lever out of SLOW position, about 1/3 of the way toward FAST position.



3. Pull starter grip slowly until you feel resistance, then pull briskly. Return starter grip gently.





If engine does not start after two pulls, pull the trigger on spray gun to relieve pressure in hose. Failure to do so may cause damage to starter recoil mechanism of engine



NEVER RUN ENGINE INDOORS OR IN EN-CLOSED, POORLY VENTILATED AREAS. EN-GINE EXHAUST CONTAINS CARBON MON-OXIDE, AN ODORLESS AND DEADLY GAS.

- 4. If choke control is in CLOSED position, push it into OPEN position when engine warms up enough to run smoothly.
- 5. Move throttle control to FAST position.

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WHEN USING THE HIGH PRESSURE SETTING, DO NOT ALLOW THE HIGH PRESSURE SPRAY TO COME IN CONTACT WITH UNPROTECTED SKIN, EYES, OR WITH ANY PETS OR ANIMALS. SERIOUS INJURY CAN OCCUR.



DO NOT stop spraying water for more than two minutes at a time. Pump operates in bypass mode when spray gun trigger is not pressed. If pump is left in bypass mode for more than two minutes internal components of the pump can be damaged.

### **A**CAUTION

DO NOT let hoses come in contact with very hot engine muffler during or immediately after use of your pressure washer. Damage to hoses from contact with hot engine surfaces will NOT be covered by warranty.

6. Depress trigger on gun to start water flow. Release trigger to stop water flow.



STAND ON A STABLE SURFACE AND GRIP GUN/WAND FIRMLY WITH BOTH HANDS. EXPECT THE GUN TO KICK WHEN TRIGGERED.

 Adjust nozzle spray for the task being performed. See How To Use Wand instructions in the Operation section.

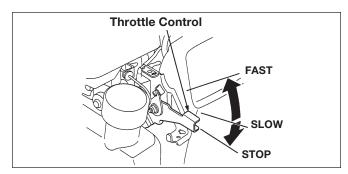
## SHUTTING DOWN YOUR PRESSURE WASHER

- 1. If you have siphoned chemicals or cleaners, you must siphon clean water through chemical hose to flush chemical injector.
- 2. Continue to siphon clean water through hose and pump for at least one minute before turning off engine.

#### NOTE

Failure to siphon clean water through chemical hose and pump after siphoning chemicals or cleaners can cause damage to pump.

3. Move throttle control to STOP position to stop engine.



4. Turn off water supply.



Never turn water supply off while pressure washer engine is running or damage to pump will result.



DO NOT let hoses come in contact with very hot engine muffler during or immediately after use of your pressure washer. Damage to hoses from contact with hot engine surfaces will NOT be covered by warranty.

- 5. Pull trigger on spray gun to relieve any water pressure in hose or spray gun.
- 6. Disconnect water supply hose from pump.
- 7. Coil high pressure hose and store in gun/hose holder.
- 8. Place spray gun in gun/hose holder.
- 9. Place chemical hose in gun/hose holder.

## MAINTENANCE

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#### WHEN DOING MAINTENANCE, YOU MAY BE EXPOSED TO HOT SURFACES, WATER PRESSURE, MOVING PARTS, OR FIRE RESULTING IN DEATH. BEFORE PERFORMING ANY MAINTENANCE OR REPAIR, DISCONNECT SPARK PLUG WIRE, LET ENGINE COOL AND RELEASE ALL WATER PRES-SURE. THE ENGINE CONTAINS FLAMMABLE FUEL. DO NOT SMOKE OR WORK NEAR OPEN FLAMES WHILE PERFORMING MAINTENANCE.

To ensure efficient operation and longer life of your pressure washer, a routine maintenance schedule should be prepared and followed. The following routine maintenance schedule is geared to a unit in a normal working environment. If necessary, the schedule should be modified to suit the conditions under which your pressure washer is used. The modifications will depend upon the hours of operation and the working environment. If the pressure washer is in an extremely dirty and/or hostile environment, it will require a greater frequency of all maintenance checks.

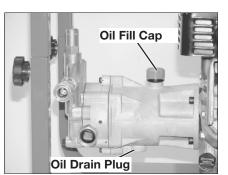
#### ENGINE

1. Consult Engine Owner's Manual for manufacturer's recommendations for any and all engine maintenance.

#### PUMP

The DAPC pump on your pressure washer was shipped from the factory with oil. The oil in your pump must be changed every 50 hours thereafter.

1. Using an 5/16 inch wrench, remove drain plug from underside of pump and drain oil into a suitable container.



- 2. Replace oil drain plug and tighten securely.
- 3. Remove oil fill plug from top of pump.
- 4. Fill pump with 8 ounces of R&O 150 oil. **NOTE:** If unable to find R&O 150 oil, use 30W non-detergent oil.
- 5. Replace oil fill plug and tighten securely.

#### HOW TO CLEAN THE NOZZLE

If the nozzle becomes clogged with foreign material such as dirt, excessive pump pressure may develop and the spray pattern will change. If a nozzle becomes partially clogged or restricted, the pump pressure will pulsate. If this happens, clean the nozzle immediately using the nozzle cleaning kit supplied with your pressure washer. The procedure is as follows:

- 1. Shut off pressure washer and turn off water supply.
- 2. Pull trigger on spray gun to relieve any water pressure.
- 3. Disconnect multi-reg wand from spray gun.
- 4. Remove nozzle from multi-reg wand with 2 mm Allen wrench from parts bag.



- 5. Inspect nozzle for obstructions, grime, or any foreign matter that could restrict flow of water.
- 6. Remove any obstructions with nozzle cleaning tools provided and back flush with clean water as shown.



7. Direct water supply into nozzle end for 30 seconds to back flush loosened particles.



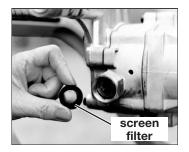
- 8. Take this opportunity to inspect wand for obstructions. Back flush wand if obstructions are seen.
- 9. Reassemble nozzle to wand. Tighten securely to prevent leaks.
- 10. Reconnect multi-reg wand to spray gun and turn on water supply.
- 11. Start pressure washer and test spray pattern. See **How To Use Wand** in the **Operation** Section.
- 12. If the spray pattern is still incorrect, replace multireg wand.

## MAINTENANCE

#### HOW TO CLEAN THE WATER INLET FILTER

This screen filter should be checked periodically and cleaned if necessary.

- 1. Remove filter by grasping the end and removing it from water inlet of pump.
- 2. Clean filter by flushing with water on both sides.
- 3. Install filter into water inlet of pump.



### STORAGE

#### PREPARATION FOR STORAGE

It is recommended that you follow these steps to protect the internal seals of the pressure washer when storing the unit for an extended period and WHEN FREEZING TEMPERATURES ARE EXPECTED.

#### ENGINE

- 1. Remove gasoline from engine or add fuel stabilizer, such as "Sta-Bil" to gasoline to prevent gumming
- 2. If you are adding fuel stabilizer, connect water supply and high pressure hose to pump and spray gun.
- 3. Turn water supply on and start engine.
- 4. Squeeze spray gun trigger while engine is running to avoid operating the pump in ""bypass mode"".
- 5. Run engine for five minutes, then shut engine off.
- 6. Disconnect water supply.
- 7. Disconnect spark plug wire and remove spark plug.
- 8. Pour one teaspoon of engine oil into spark plug hole.
- 9. Place a rag over spark plug hole and pull starter rope slowly several times to lubricate internal cylinder wall.

#### PUMP

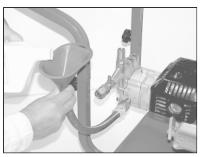
#### NOTE: Antifreeze needs to be added to pump if expecting freezing temperatures or storing for longer than 6 months.

1. Obtain a funnel, six ounces of RV antifreeze, and approximately 12 inches of garden hose with a male hose connector attached to one end.

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## Use only RV antifreeze. Any other antifreeze is corrosive and can damage pump.

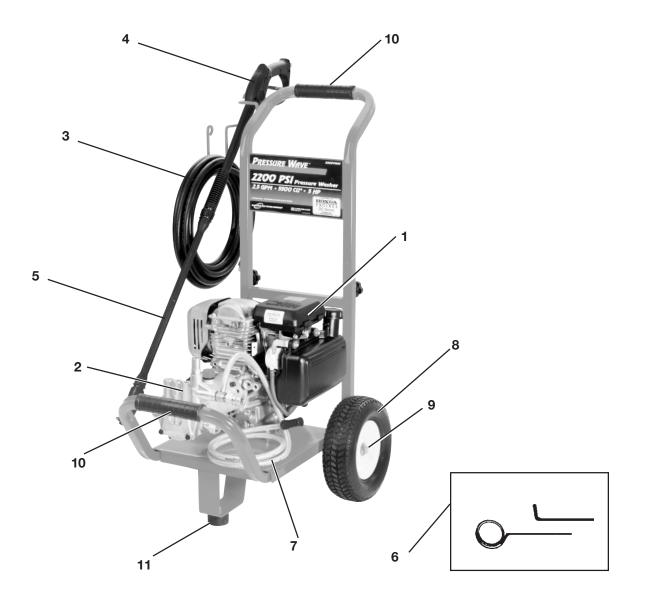
- 2. Disconnect high pressure hose from pump and from spray gun.
- Connect 12 inch length of hose to water inlet of pump.
- 4. Add RV antifreeze to hose as shown.



- 5. Pull engine starter rope slowly several times until antifreeze comes out of high pressure hose connection of pump.
- 6. Remove short hose from water inlet of pump.
- 7. Install spark plug into spark plug hole and tighten securely, then reconnect spark plug wire.
- 8. Drain all water from high pressure hose, coil it, and store it in cradle of the pressure washer handle.
- 9. Drain all water from spray gun and wand by holding spray gun in a vertical position with nozzle end pointing down and squeezing trigger. Store in gun/hose holder.
- 10. Store chemical hose, high pressure hose, spray gun, and wand so they are protected from damage, such as being run over.

	TROUBLESHO	OTING
PROBLEM	CAUSE	CORRECTION
Engine will not start (see Engine Manual for further engine trouble- shooting)	<ol> <li>No fuel.</li> <li>Low oil (if oil-alert equipped).</li> <li>Pressure buildup after initial use.</li> <li>Not primed or choked.</li> <li>Spark plug wire not attached.</li> <li>Engine <b>ON/OFF</b> switch in <b>OFF</b> position (If equipped.)</li> </ol>	<ol> <li>Add fuel.</li> <li>Add required amount of oil.</li> <li>Squeeze gun trigger to relieve pressure.</li> <li>Push primer bulb 3 times or choke engine.</li> <li>Attach spark plug wire.</li> <li>Place engine <b>ON/OFF</b> switch to <b>ON</b> position.</li> </ol>
No or low pressure (initial use)	<ol> <li>Nozzle in wrong position.</li> <li>Low water supply.</li> <li>Leak at high pressure hose.</li> <li>Nozzle obstructed.</li> <li>Water filter screen clogged.</li> <li>Air trapped in hose.</li> </ol>	<ol> <li>Rotate nozzle to high pressure setting</li> <li>Water supply must be at least 5 GPM         <ul> <li>@ 20 PSI</li> </ul> </li> <li>Repair leak. Apply thread sealing tape if necessary.</li> <li>Clean nozzle with nozzle cleaning tool, flush out obstruction with clean water.</li> <li>Remove and clean filter.</li> <li>Turn off engine, then water supply. Disconnect water supply from pump inlet, then turn water supply on to remove all air from hose. When there is a steady stream of water present, turn water supply to pump inlet and turn on water supply. Squeeze trigger of spray gun to remove remaining air.</li> </ol>
Will not draw chemicals	<ol> <li>Nozzle not in low pressure position.</li> <li>Chemical filter clogged.</li> <li>Chemical hose not in chemi- cal.</li> </ol>	<ol> <li>Refer to Operation section for low pressure operation of nozzle.</li> <li>Clean filter.</li> <li>Ensure end of chemical hose is fully submerged into chemical.</li> </ol>
No or low pressure after a period of normal use.	<ol> <li>Worn seal or packing.</li> <li>Worn or obstructed valves.</li> </ol>	<ol> <li>Have replaced by AWSC.</li> <li>Have replaced by AWSC.</li> </ol>
Water leaking at gun to wand connection	<ol> <li>Worn o-ring.</li> <li>Loose hose connection.</li> </ol>	<ol> <li>Check and replace.</li> <li>Tighten connection. If leak persists, disassemble connection, apply thread sealing tape to threads and reassemble</li> </ol>
Water leaking at pump	<ol> <li>Loose connections.</li> <li>Piston packings worn.</li> </ol>	<ol> <li>Tighten.</li> <li>Have replaced by AWSC.</li> </ol>
Oil leaking at pump	<ol> <li>Oil seals worn.</li> <li>Loose drain plug.</li> <li>Worn fill plug o-ring.</li> <li>Pump overfilled.</li> <li>Incorrect oil used.</li> </ol>	<ol> <li>Have replaced by AWSC.</li> <li>Tighten.</li> <li>Check and replace.</li> <li>Check for correct amount.</li> <li>Drain and fill with correct amount and type of oil.</li> </ol>

## **REPAIR PARTS**



1	*	Honda Engine Model Number GC-160
2	$\wedge$	DAPC- Horizontal Pump
3	16254	High Pressure Hose
4	16496	Trigger Gun
5	H133	Wand
6	NCT001	Nozzle Cleaning Kit
7	H140	Chemical Hose
8	X003	Tire
9	F464	Pal Nut
10	17367	Hand Grips
11	16371	Foot

\* Contact your local engine dealer for parts and service.

^ Contact an Authorized Warranty Service Center near you, call 1-800-888-2468, Ext. 2,1

## NOTES

## NOTES

## **QUICK FACTS**

# **Pressure Washer Quick Facts**

CALL 1-800-888-2468 EXT. 2,1

### TO FIND A LOCAL AUTHORIZED SERVICE CENTER NEAR YOU FOR REPAIRS AND SERVICE PART PURCHASES

10	
GAS	Use fresh high quality gas. Add stabilizer to fuel tank and run engine for 5 minutes before storage.
OIL	Pump oil: Refer to owners manual supplied with this unit. Engine oil: Refer to engine manual supplied with this unit. Some units are equipped with a low oil sensor and adequate oil must be added or the unit will not start.
WATER	Use only cold water. Don't operate unit with clogged or missing water filter/screen. Don't operate unit without adequate water supply to pump. Adequate water supply is a minimum of 20 psi and 5 gpm.
PRESSURE ADJUSTMENT	The pressure setting is preset at the factory to achieve optimum cleaning. If you need to lower the pressure setting, refer to the owners manual for proper procedure.
PUMP	Pull gun trigger every 2 minutes while engine is running. Don't allow water to freeze in pump. Siphon RV antifreeze into pump for cold weather storage or long term storage.
BY-PASS MODE	Never leave unit running for more than 2 minutes without pulling gun trigger; doing so will destroy pump and void warranty.
THERMAL RELIEF VALVE	Pump is equipped with a thermal relief valve. If the water overheats, this valve will open and allow a gush of water to escape. Once the water is released, the valve closes allowing the pump to operate normally.
HOSE	Don't allow hoses to contact the HOT engine muffler during or after use. Never pull the hose to move the unit.
ENGINE	Do not adjust or attempt maintenance without consulting engine manual or an authorized engine service center. Add stabilizer to fuel tank and run engine for 5 minutes before storage. Always turn on the water before starting the engine.
SOAP CHEMICALS	Use only soaps and chemicals designed for pressure washer use.
NOZZLE	Keep nozzle unclogged. Refer to manual for cleaning procedures. Chemical/soap cannot be siphoned in high pressure setting. Only in low setting.
MAINTENANCE SCHEDULE	Follow recommended maintenance schedule for engine & pump. Refer to manuals.
STORAGE OR WINTER STORAGE	Draw clean water through chemical inlet. Add stabilizer to fuel tank and run engine for 5 minutes before storage. Don't allow water to freeze in pump, gun, wand or hoses. Siphon RV antifreeze into pump for cold weather storage or long term storage.

#### ALWAYS REFER TO THE MANUALS SUPPLIED WITH THIS UNIT